FIG. 1

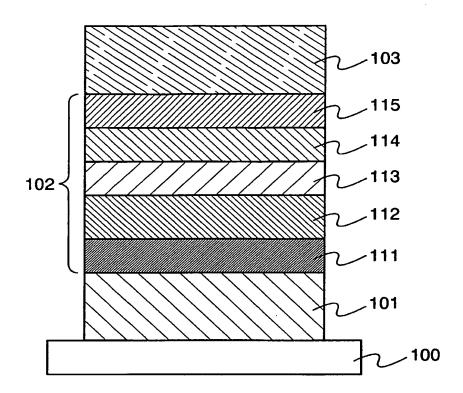


FIG. 2

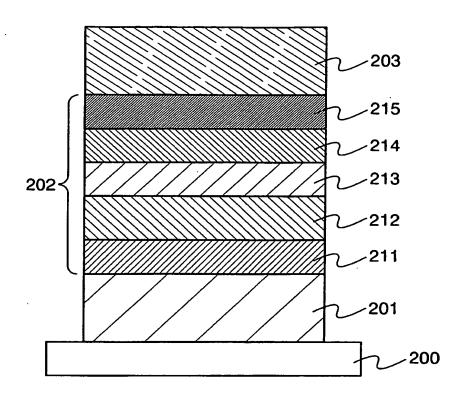


FIG. 3

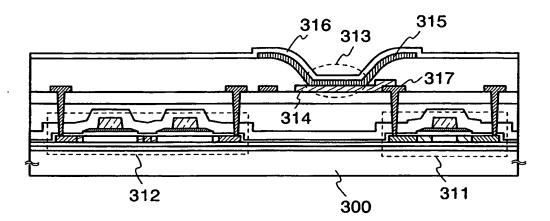


FIG. 4

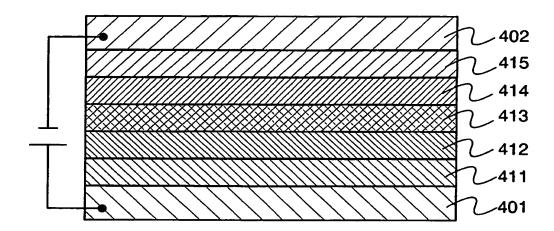


FIG. 5

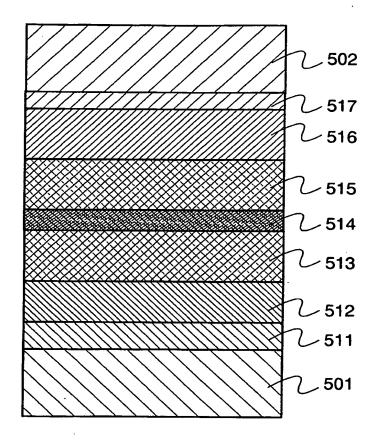


FIG. 6

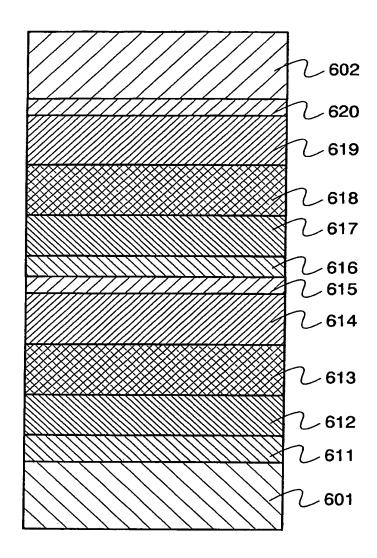


FIG. 7

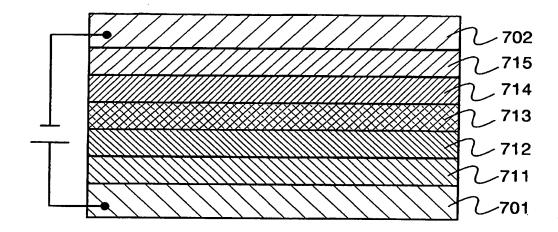
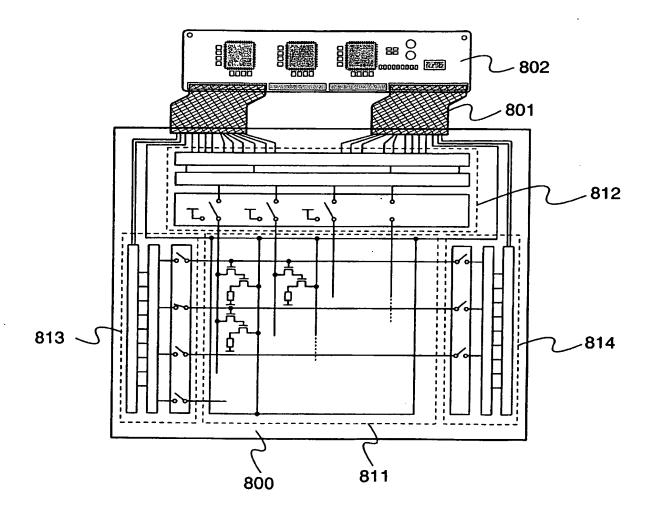


FIG. 8



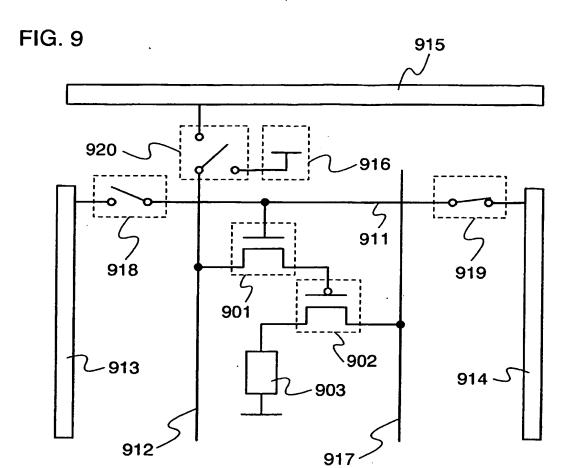
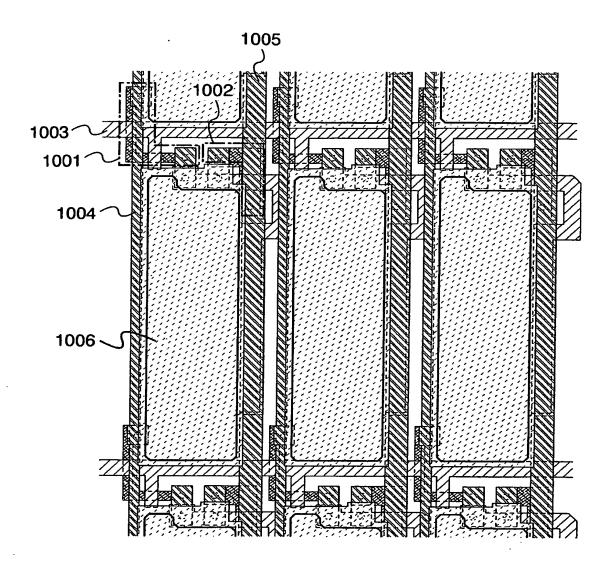
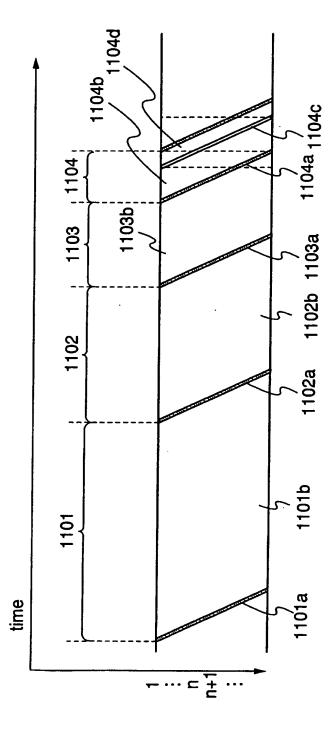


FIG. 10





<u>5</u>

FIG. 12A

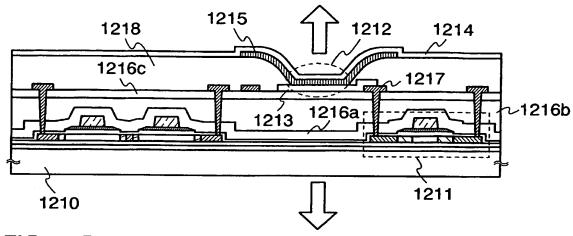


FIG. 12B

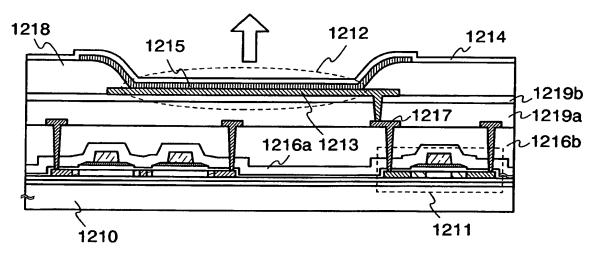
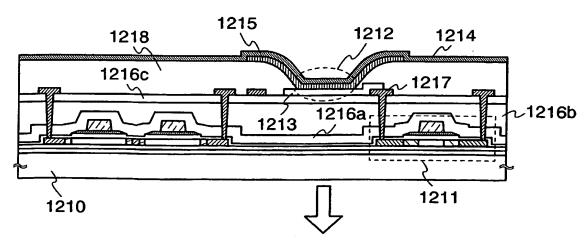


FIG. 12C



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FIG. 13

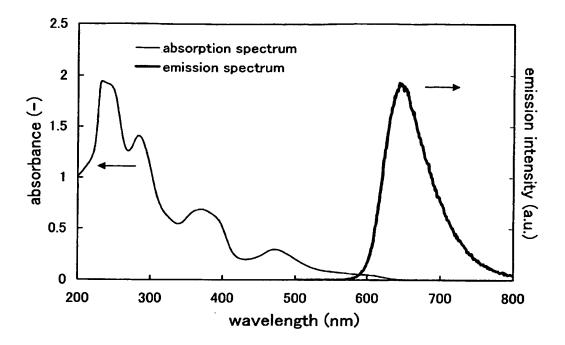


FIG. 14

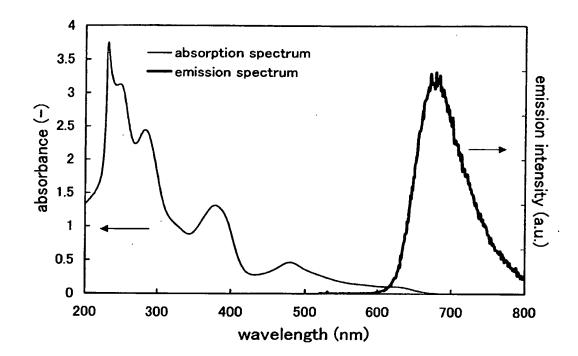


FIG. 15

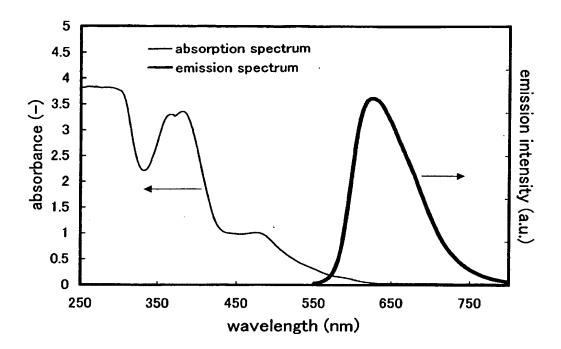


FIG. 16

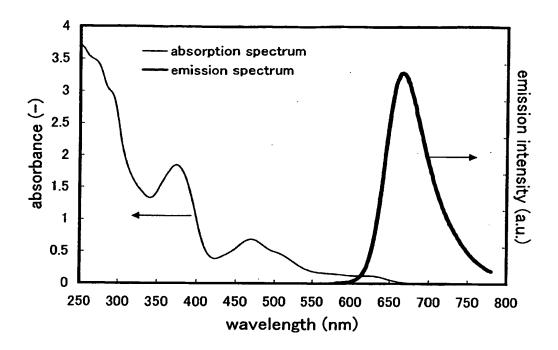
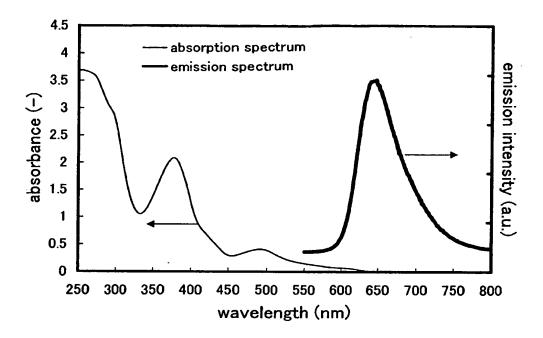


FIG. 17



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FIG. 18A

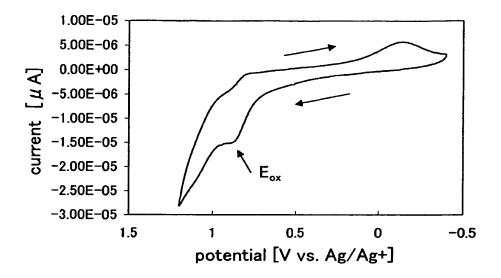


FIG. 18B

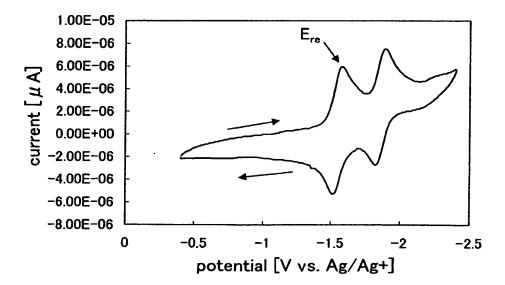
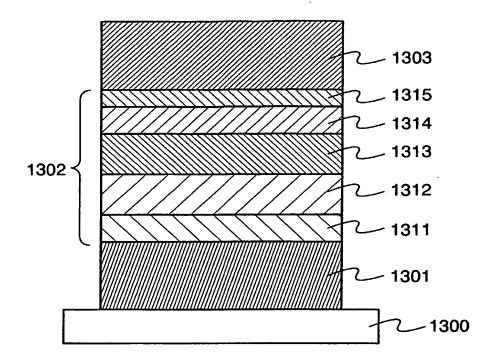
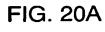


FIG. 19





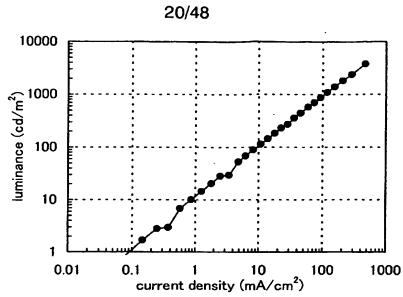


FIG. 20B

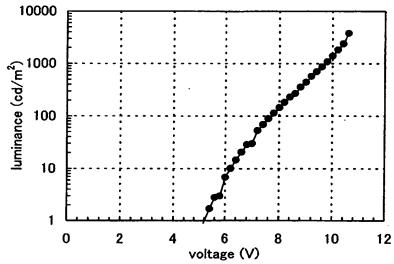


FIG. 20C

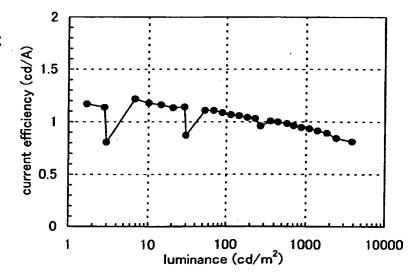


FIG. 21

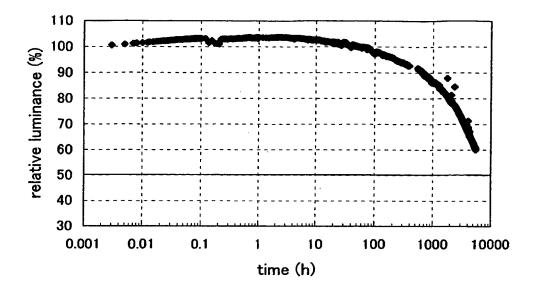
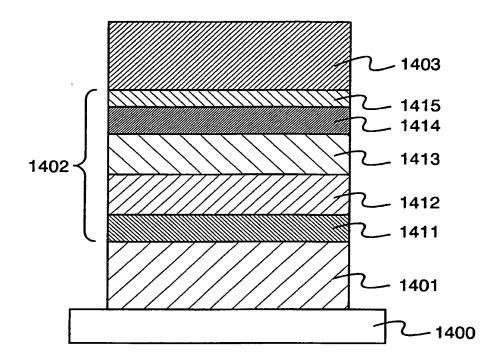
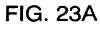


FIG. 22





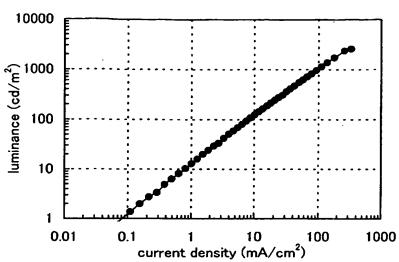


FIG. 23B

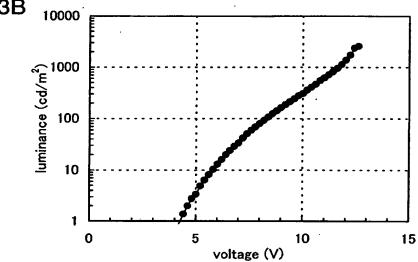
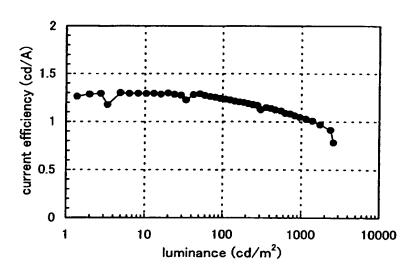
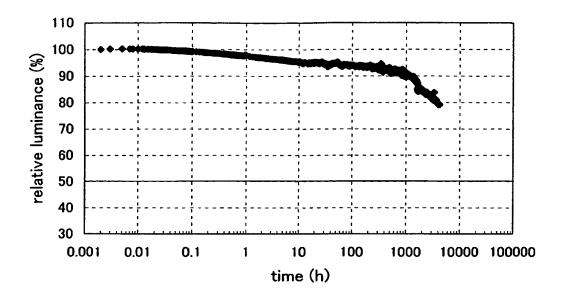


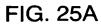
FIG. 23C



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FIG. 24





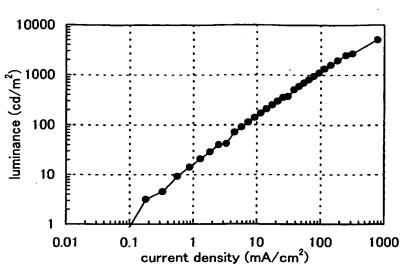


FIG. 25B

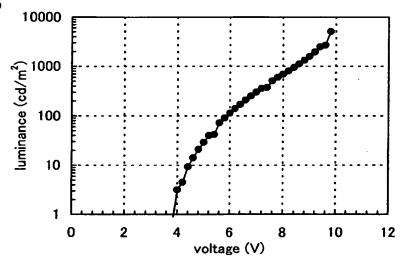


FIG. 25C

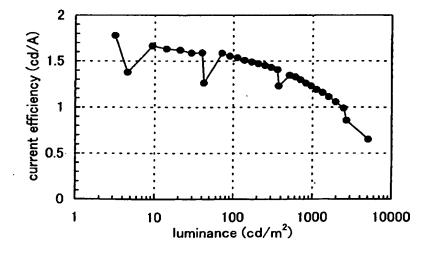
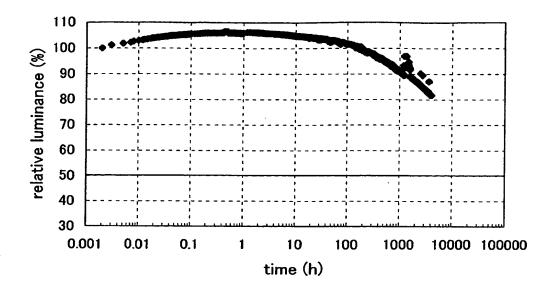


FIG. 26



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FIG. 27A

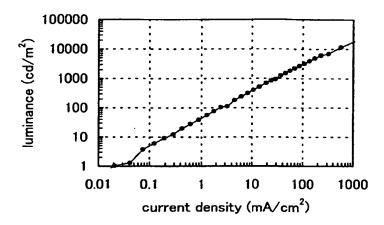


FIG. 27B

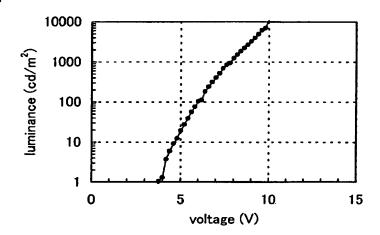


FIG. 27C

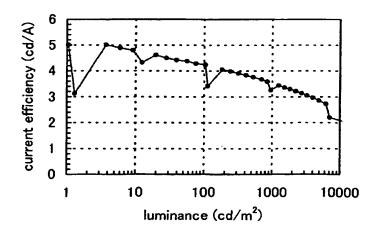
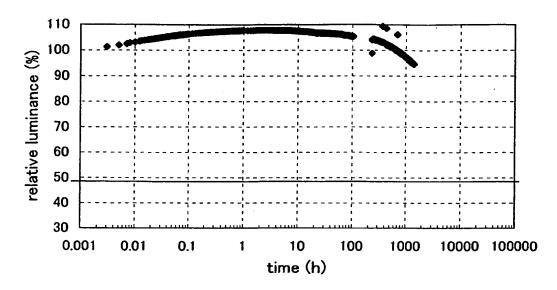


FIG. 28



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FIG. 29A

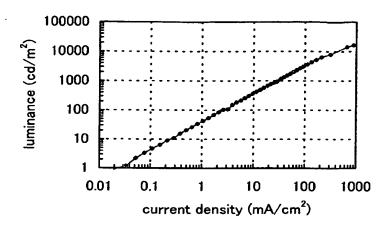


FIG. 29B

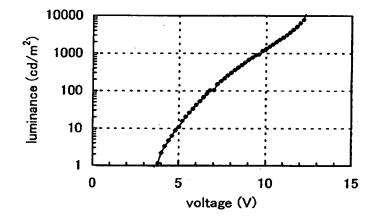
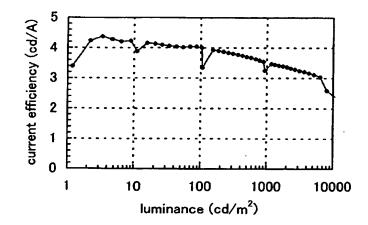


FIG. 29C





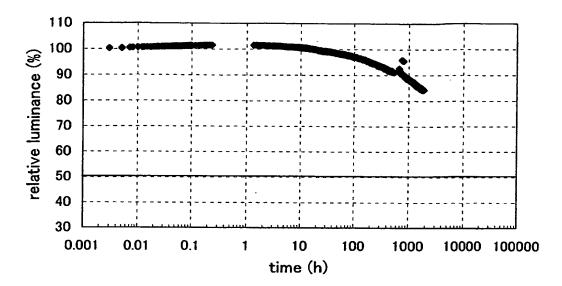


FIG. 31A

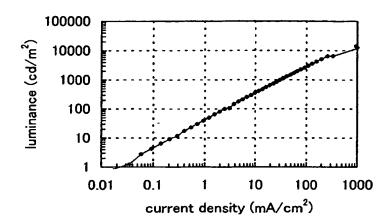


FIG. 31B

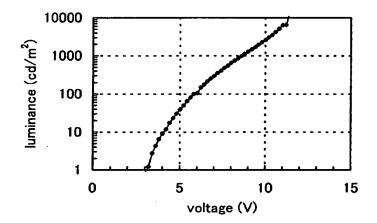


FIG. 31C

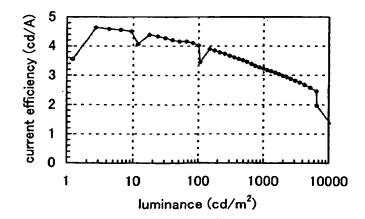


FIG. 32

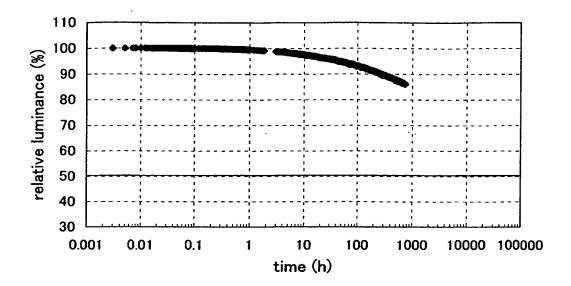
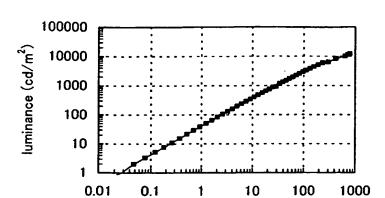


FIG. 33A



current density (mA/cm²)

FIG. 33B

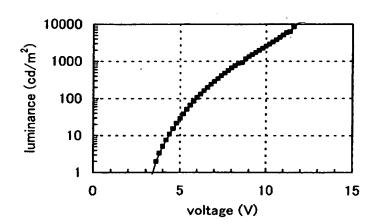


FIG. 33C

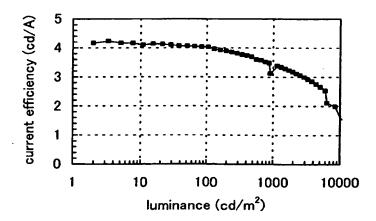
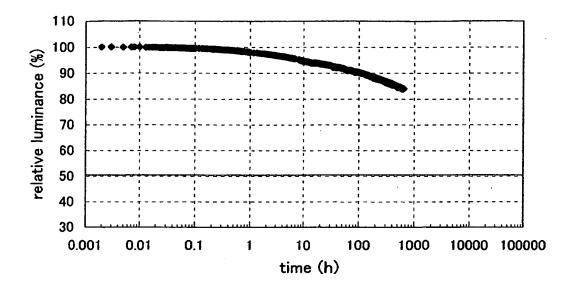
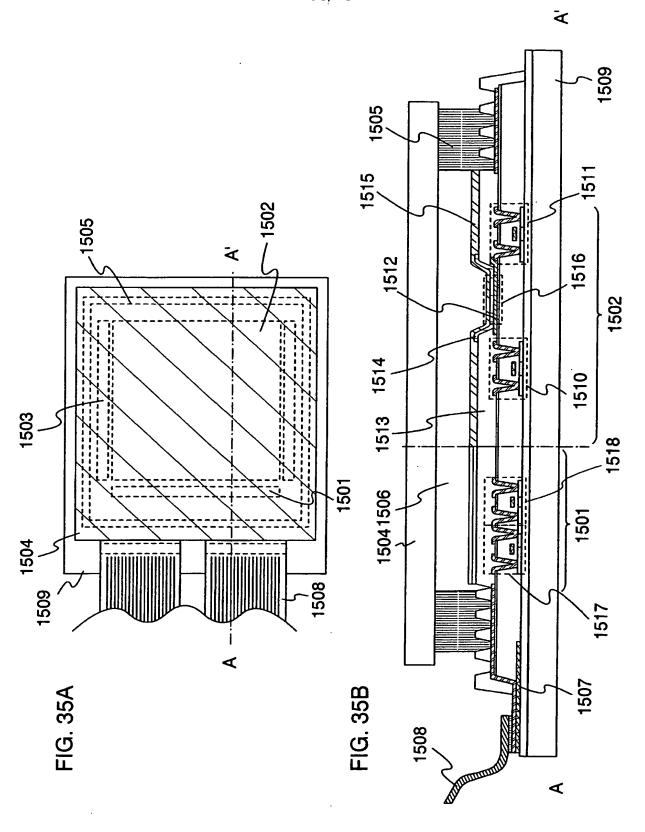
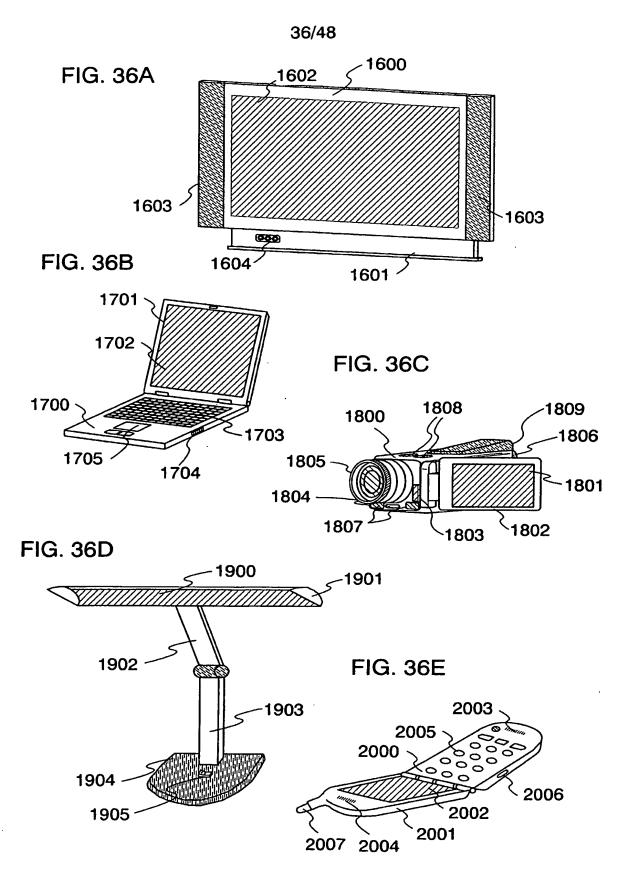


FIG. 34







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FIG. 37

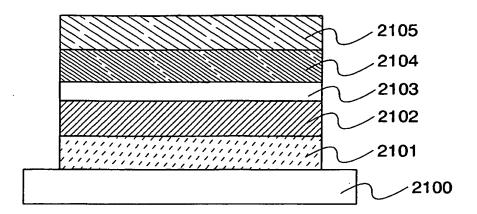


FIG. 38

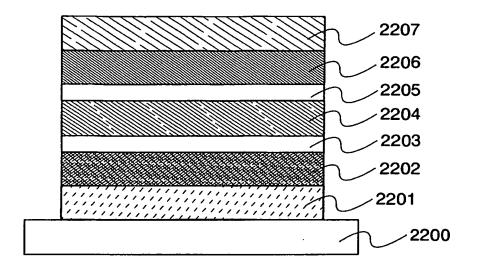
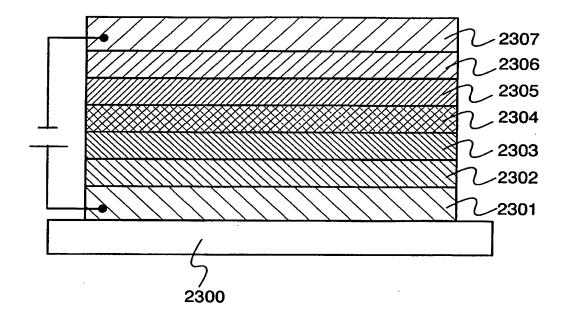


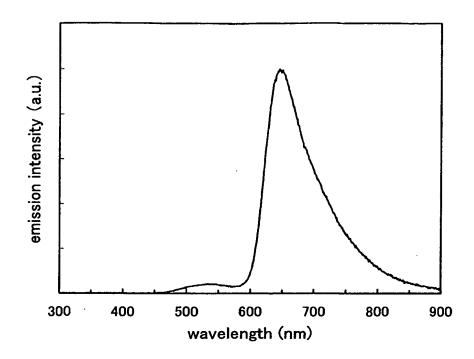
FIG. 39



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FIG. 40



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FIG. 41 41/48

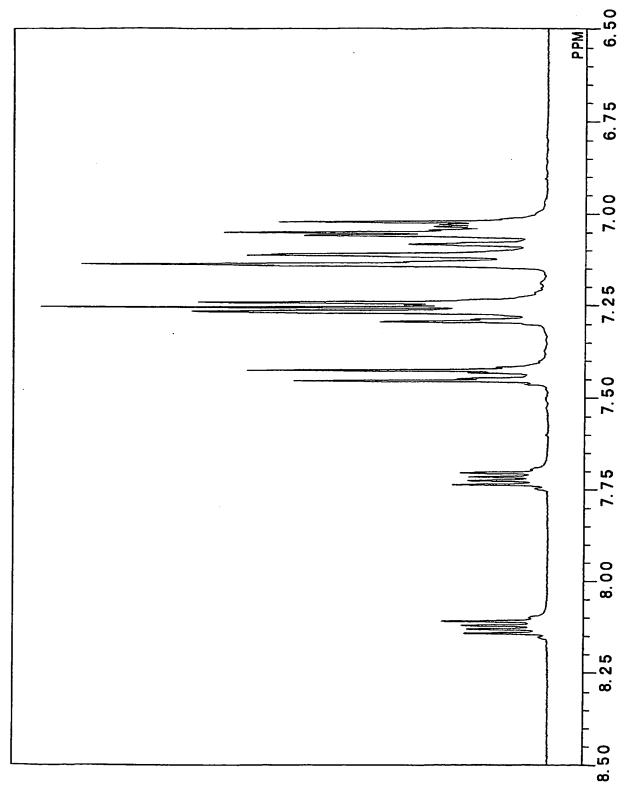
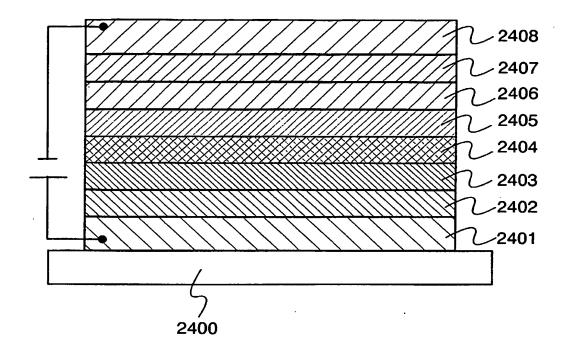


FIG. 42



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FIG. 43

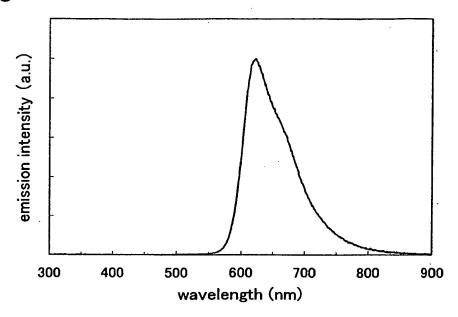
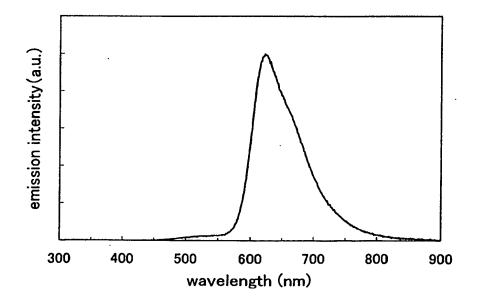
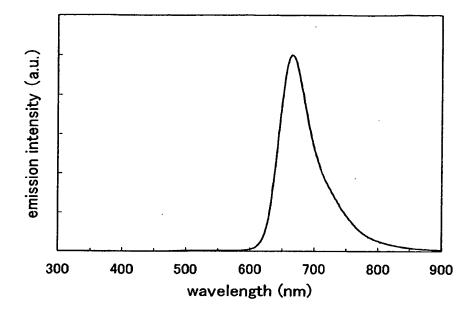


FIG. 44

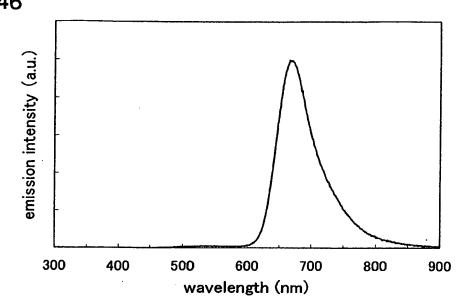


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FIG. 45



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## **EXPLANATION OF REFERENCE**

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100: substrate, 101: first electrode, 102: layer including luminescent material, 103: second electrode, 111: hole injecting layer, 112: hole transporting layer, 113: light-emitting layer, 114: hole blocking layer, 115: electron transporting layer, 200: substrate, 201: first electrode, 202: layer including luminescent material, 203: second electrode, 211: electron transporting layer, 212: hole blocking layer, 213: light-emitting layer, 214: hole transporting layer, 215: hole injecting layer, 300: substrate, 311: TFT. 312: TFT, 313: light-emitting element, 314: first electrode, 315: layer including luminescent material, 316: second electrode, 317: wiring, 401: first electrode, 402: second electrode, 411: hole injecting layer, 412: hole transporting layer, 413: light-emitting layer, 414: electron transporting layer, 415: electron injecting layer, 501: first electrode, 502: second electrode, 511: electron injecting layer, 512: electron transporting layer, 513: first light-emitting layer, 514: partition layer, 515: second light-emitting layer, 516: hole transporting layer, 517: hole injecting layer, 601: first electrode, 602: second electrode, 611: electron injecting layer, 612: electron transporting layer, 613: first light-emitting layer, 614: hole transporting layer, 615: first layer (hole generation layer), 616: second layer (electron generation layer), 617: electron transporting layer, 618: second light-emitting layer, 619: hole transporting layer, 620: hole injecting layer, 701: first electrode, 702: second electrode, 711: hole injecting layer, 712: hole transporting layer, 713: light-emitting layer, 714: electron transporting layer, 715: electron injecting layer, 800: substrate, 801: FPC (flexible printed circuit), 802: PWB (printed wiring board), 811: pixel portion, 812: source signal line driver circuit, 813: writing gate signal line driver circuit, 814: erasing gate signal line driver circuit, 901: first transistor, 902: second transistor, 903: light-emitting element, 911: gate signal line, 912: source signal line, 913: writing gate signal line driver circuit, 914: erasing gate signal line driver circuit, 915: source signal line driver circuit, 916: power source, 917: current supply line, 918: switch, 919: switch, 920: switch, 1001: first transistor, 1002: second transistor, 1003: gate signal line, 1004: source signal line, 1005: current supply line, 1006: power source, 1101a: writing period, 1102a: writing period, 1103a:

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writing period, 1104a: writing period, 1101b: retention period, 1102b: retention period, 1103b: retention period, 1104b: retention period, 1101: first sub-frame, 1102: second sub-frame, 1103: third sub-frame, 1104: fourth sub-frame, 1210: substrate, 1211: transistor, 1212: light-emitting element, 1213: first electrode, 1214: second electrode. 1215: layer in which hole generation layer, electron generation layer, and layer including luminescent material are stacked, 1216 (1216a and 1216b): first interlayer insulating film, 1216c: silicon nitride film including argon (Ar), 1217: wiring, 1218: partition layer, 1219 (1219a and 1219b): second interlayer insulating film, 1300: substrate, 1301: first electrode (anode), 1302: layer including luminescent material, 1303: second electrode (cathode), 1311: hole injecting layer, 1312 hole transporting layer, 1313: light-emitting layer, 1314: electron transporting layer, 1315: electron injecting layer, 1400: substrate, 1401: first electrode (anode), 1402: layer including luminescent material, 1403: second electrode (cathode), 1411: hole injecting layer, 1412 hole transporting layer, 1413: light-emitting layer, 1414: electron transporting layer, 1415: electron injecting layer, 1501: driver circuit portion (source side driver circuit), 1502: pixel portion, 1503: driver circuit portion (gate side driver circuit), 1504: sealing substrate, 1505: sealing material, 1506: inside surrounded by sealing material 1505, 1507: wiring, 1508: FPC to serve as external input terminal, 1509: substrate, 1510: switching TFT, 1511: current controlling TFT, 1512: first electrode, 1513: insulator, 1514: layer including luminescent material, 1515: second electrode, 1516: light-emitting element, 1517: n-channel TFT, 1518: p-channel TFT, 1600: frame body, 1601: support, 1602: display portion, 1603: speaker portion, 1604: video input terminal, 1700: main body, 1701: frame body, 1702: display portion, 1703: keyboard, 1704: external connection port, 1705: pointing mouse, 1800: main body, 1801: display portion, 1802: frame body, 1803: external connection port, 1804: remote-control receiving portion. 1805: image receiving portion, 1806: buttery, 1807: sound input portion, 1808: operation key, 1809: eye piece, 1900: lighting portion, 1901: shade, 1902: variable arm, 1903: support, 1904: pedestal, 1905: power source, 2000: main body, 2001: frame body, 2002: display portion, 2003: sound input portion, 2004: sound output portion, 2005: operation key, 2006: external connection port, 2007: antenna, 2100: substrate, 2101:

first electrode, 2102: first light-emitting region, 2103: separation layer, 2104: second light-emitting region, 2105: second electrode, 2200: substrate, 2201: first electrode, 2202: first light-emitting region, 2203: carrier generation layer, 2204: second light-emitting region, 2205: carrier generation layer, 2206: third light-emitting region, 2207: second electrode, 2300: substrate, 2301: first electrode, 2302: hole injecting layer, 2303: hole transporting layer, 2304: light-emitting layer, 2305: electron transporting layer, 2306: electron injecting layer, 2307: second electrode, 2400: substrate, 2401: first electrode, 2402: hole injecting layer, 2403: hole transporting layer, 2404: light-emitting layer, 2405: hole blocking layer, 2406: electron transporting layer, 2407: electron injecting layer, 2408: second electrode

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